NorthEast Transportation Training & Certification Program

HMA Asphalt Content and Gradation Test Report (T 110, T 164, T 30)

Date/Time:	Lab/Location:	
Weather:	Date Rec'd #:	Random Sample: Yes No
Project:	Lab Login #:	Lot #:
Contract #:	Material ID:	Sublot #:
Contractor:	Material #:	Sample Location:
Pay Item #:	Sample #:	Station:
Source:	Sample Type: QC A-V IA DR Other	Offset:
Plant Type:	Sampled By/Cert. #:	

Moisture Content (T 110)		**Asphalt Content of HMA by Extraction Method (T 164)**			
Sample Wet Mass (A):		Initial Sample Mass (W_1i):		Extracted Agg.+ Pan (W_3p):	
Sample Dry Mass (B):		Corrected Sample Mass (W_1):		Pan Tare Mass (P):	
Water Mass (C): (A - B)		(W_1i / (1+(.01*M)))		Extracted Agg. (W_3): (W_3p-P)	
% Moisture (M):		Initial Filter Mass (Fi):		Total Agg. Mass: (W_3 + W_4)	
(100*((A-B)/B))		Final Filter Mass (Ff):		PG Binder Mass (Wpg):	
Note:		Fines on Filter (W_4f): (Ff - Fi)		(W_1 - (W_3 + W_4))	
Total Ash Correction from Form T111		Ash Correction (W_4a):		**%PG Binder (Pb):**	
HMA Temperature		Mineral Matter Mass (W_4):		((Wpg/W_1)*100)	
Sample Temp, ºF:		(W_4f + W_4a)		PG Binder JMF:	

Mechanical Analysis of Extracted Aggregate (T 30)

Sieve, in. (mm)	Mass Retained	Percent Retained	**Percent Passing**	Job Mix Formula	+ / - Tolerance	Variance
1 1/2 (37.5)						
1 (25)						
3/4 (19)						
1/2 (12.5)						
3/8 (9.5)						
#4 (4.75)						
#8 (2.36)						
#16 (1.18)						
#30 (600 µm)						
#50 (300 µm)						
#100 (150 µm)						
#200 (75 µm)						
PAN						
TOTAL:						

Comments:

Tested by:	Reviewed by:
Certification #:	Certification #:
Date:	Date:

Test Results Within Engineering Limits: YES ☐ NO ☐